



CAL POLY REPORT



CALIFORNIA STATE POLYTECHNIC COLLEGE SAN LUIS OBISPO, CALIFORNIA 93401

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April 6, 1971

INTERNATIONAL AGRICULTURE CONFERENCE WILL OPEN THURSDAY MORNING

A welcome by Dale W. Andrews (Academic Vice President), scheduled for 9 a.m., will officially open the first International Agriculture Conference on Thursday (April 8). The keynote address titled "Dimensions in International Agriculture" by Jack W. Rathgens of FMC, San Jose, will follow Dr. Andrews' remarks at 9:15. Like all of the sessions on the conference program, both talks will be open to the public and admission will be free.

Co-sponsored by the student council of the School of Agriculture and Natural Resources, and the college, the International Agriculture Conference will cover the subject through two panel discussions and special speakers. All sessions, except the luncheon meeting, will take place in Room 207 of the new Julian A. McPhee College Union.

Beside Rathgens, Don Fiester, Latin-American Desk, Agency for International Development, U. S. Department of State, Washington, D.C., will ask the question, "Where Do We Go From Here?" at the end of the conference. A luncheon address to have been given by Robert W. Long, vice president for agribusiness for Bank of America, has since been cancelled.

Conference participants are scheduled to join members of the Cal Poly Staff Club to hear Warren T. Smith, former dean of agriculture at Cal Poly and now chief of party for the Cal Poly/AID project at Bangpra School in Thailand, during a regular luncheon meeting of the club beginning at 12 noon in the Staff Dining Room.

Members of Panels Listed

John W. West (Associate Dean of Agriculture and Natural Resources), who made program arrangements for the conference, said that the morning panel discussion will cover "The World of International Agriculture," and an afternoon panel will report on "Cal Poly in International Agriculture."

Members of the morning panel will be William Garveley, Peace Corps, Washington, D.C.; Carl Englund, FMC, San Jose; Ed Trethaway, formerly AID, San Clemente; and Milton A. Norland, Foreign Training Division, U. S. Department of Agriculture, Washington, D.C. Englund is the former dean of agriculture at Cal Poly, Pomona. He is now working with the foreign agricultural development program of FMC.

The afternoon panel will include Smith; Mike Worth, co-ordinator, AID participants and Peace Corps intern program at Cal Poly, San Luis Obispo; and Dr. West, who also is director of Cal Poly's Master of Science in Agriculture Degree program, which includes a concentration in international agriculture. Glenn Magagula, an AID participant from Swaziland, and Richard Rundell, a former Peace Corps volunteer, now a graduate student at Cal Poly, will also be members of the afternoon panel.

Registration for the day-long conclave will take place, also in Room 207 of the College Union, from 8:30 to 9 a.m.

EASTER WEEK SERIES WILL CONCLUDE THURSDAY EVENING

The series of Easter Week meetings which began on campus Monday (April 5) evening will conclude on Thursday (April 8) evening, according to Roger Keetch (Mechanical Engineering Department), who is chairman of the Faculty Christian Fellowship. Meetings of the series, which is being called "Collegiate Confrontation '71," are scheduled for 7:30 p.m. each evening in the auditorium of the new Julian A. McPhee College Union.

Principal speaker for the program series is Mark Hanna (Philosophy Department). Topics for his remaining talks in the series are "The Problems Education Can Never Solve" this (Tuesday, April 6) evening; "If You Miss This You Miss Everything," tomorrow (Wednesday, April 7) evening; and "Can A Skeptic Find Certainty?" Thursday evening. Other members of the faculty and student body are also scheduled to speak during the programs.

In addition to the evening gatherings in the College Union, an outdoor rally, during which Dr. Hanna will speak on "The Ultimate Cop-Out" will take place at 11 a.m. Thursday in the College Union Plaza and a luncheon for members of the college faculty is being planned for 12 noon tomorrow in the Staff Dining Room. Dr. Hanna will speak on "Inescapable Questions for a Thinking Man" during the luncheon.

Joint sponsors of the Easter Week programs, according to Keetch, are Intervarsity Christian Fellowship, the Navigators, and Campus Crusade for Christ, all recognized Cal Poly student organizations, and the Faculty Christian Fellowship. He said that all of the programs, except the luncheon, are open to the entire campus community and admission will be free.

ARCHITECTURE STUDENTS WILL IMPLEMENT STREET IMPROVEMENT PROGRAM

A proposal by architectural students Alfred Cook and Rod LaSalle for a street improvement program in connection with Poly Royal has been approved. President Robert E. Kennedy gave his approval at a recent meeting of the Campus Planning Committee after Cook and LaSalle presented their ideas on behalf of the School of Architecture and Environmental Design's Poly Royal Committee.

To implement the proposal, the committee will import soil and construct a brick walkway on North Perimeter Rd. between Cuesta Ave. and Pepper Ln. The students hope to have the project completed before Poly Royal, and to use it as a pilot study showing what might be done with campus streets which are no longer used for vehicle traffic.

PROGRAM ON ECOLOGY PLANNED FOR WOMEN'S CLUB GENERAL MEETING

A campus student organization called Ecology in Action will present a panel discussion on local ecological considerations during the general membership meeting of the Cal Poly Women's Club being planned for next Tuesday (April 13) evening at 8 p.m. in the Staff Dining Room. A question and answer period will follow the discussion. During the business portion of the meeting, Mrs. Vol Folsom, chairman of the club's Nominating Committee, will present a slate of officer candidates to be voted on. Three new members for the club's board will also be elected from the floor.

Typewritten copy intended for the next issue of <u>Cal Poly Report</u> must be received prior to 12 noon Friday, April 9, in the Office of Information Services, Administration-210.
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CHANGES IN GRAND AVENUE TRAFFIC FLOW APPROVED

Three actions to improve pedestrian safety on Grand Avenue in the vicinity of Yosemite Hall have been approved by President Robert E. Kennedy, acting on the recommendation of the Campus Planning Committee.

First, lighting of the Grand Ave. pedestrian crosswalk near Yosemite Hall will be increased by replacing existing 250-watt street light heads with 4 400-watt heads.

The second step will be the installation of stop signs on either side of the pedestrian crosswalk requiring a full stop by vehicles going in either direction. The signs will be covered during rush hours when a security officer assigned to the area is responsible for traffic control. In conjunction with the stop signs, an amber flasher is being planned to warn vehicles of the pedestrian walkway.

The third safety provision requires the development of a visitor parking area in the southeast corner of Parking Lot S-6. The parking area will be available as a loading section across Grand Ave. from Yosemite Hall near the crosswalk.

The visitor parking area is expected to reduce the number of parking violators along the Grand Ave. curb in front of Yosemite Hall. The proposal will require a new curb entry to be cut into the lot, which will provide for approximately 15 cars in the loading area at one time.

MEN'S GLEE CLUB, COLLEGIANS WILL JOIN FOR COLLEGE HOUR CONCERT

Members of three musical ensembles will be featured during the first College Hour Concert of the Spring Quarter on Thursday (April 8) morning in the Cal Poly Theater. Included on the program for the event will be numbers by the 80-member Men's Glee Club and the 15-piece Collegians stage and dance band. Starting time for the concert, which will also include numbers by the Women's Sextet, a vocal ensemble, will be 11 a.m. Admission will be free, and the public is invited to attend.

All three of the Cal Poly ensembles are presently in preparation for the 30th annual Home Concert which will take place the evening of April 16 in the Men's Gymnasium on campus. Both the Men's Glee Club and the Collegians returned last weekend from their annual concert tour. The week-long trek included 18 concerts at high schools and college campuses in the Sacramento and San Joaquin Valleys. Highlight of the tour was a concert by the glee club performed in the rotunda of the State Capitol in Sacramento.

Thursday morning's concert will be under the direction of Harold P. Davidson, (Head of the Music Department) and Graydon Williams (Music Department). Davidson conducts the Men's Glee Club and Williams directs the stage and dance ensemble.

DRIVER TRAINING SESSIONS WILL MEET TODAY AND TOMORROW

Defensive driver training sessions are scheduled for today and tomorrow (Tuesday and Wednesday, April 13-14) from 3 to 6 p.m. in the Engineering Auditorium.

Faculty, staff, or students cannot drive state vehicles without having successfully completed the defensive driver training program. This week's sessions will be the only ones offered during the Spring Quarter. Interested persons may attend either of the two sessions.

STUDENT MUSICIANS PREPARING FOR APRIL 16 CONCERT

One hundred and seventy-five Cal Poly student musicians are busy polishing their performances for the annual Home Concert, which will take place next Friday (April 16) in the Men's Gymnasium on campus. They are all members of three ensembles -- the Men's Glee Club, the Women's Glee Club, and Collegians stage and dance band.

Starting time for the Home Concert, which is being presented under joint sponsorship of Cal Poly's Associated Students, Inc., and the college Music Department, will be 8 p.m. The public is invited to attend.

Also programmed during the concert, an annual highlight of the music season at the college, are numbers by three smaller vocal ensembles composed of members of the two glee clubs. They are the Collegiate Quartet, the Women's Sextet, and the Majors and Minors. Although the program for the April 16 concert had not been finalized at this writing, it is expected to cover a wide variety of musical interest ranging from Palestrina to Henry Mancini with plenty of variety in between.

All of the groups on the program for the Home Concert are directed by Harold P. Davidson and Graydon Williams, both members of the college faculty. Davidson, who is head of Cal Poly's Music Department, is director of the two glee clubs and both male vocal ensembles. Williams, who joined the college music faculty last fall, directs the Collegians and the Women's Sextet.

Tickets for the April 16 concert are priced at 75 cents for students and children and \$1.25 for all others. They are being sold at the college and throughout the San Luis Obispo area by members of the performing groups.

COLLEGE UNION ARCHITECT WILL ADDRESS PUBLIC MEETING

The new Julian A. McPhee College Union will be the topic when architect Joseph Esherick of San Francisco visits the college campus Thursday (April 8). The architect for the new \$4 million student activities center at the college, he is scheduled to spend the day visiting the student-financed building and meeting with various campus groups.

Highlight of Esherick's Cal Poly visit will be a public meeting during which he will discuss the goals of his design for the newly-opened structure with students and others. The meeting, which will be presented without an admission charge, will begin at 8 p.m., in Room 203 of the College Union. Among topics expected to be discussed is the building color scheme, which has been a subject of lively campus discussion.

Other activities on Esherick's schedule for next Thursday include visits with members of the operating staff of the new building and with students of Cal Poly's School of Architecture and Natural Resources. His visit is being sponsored and arranged by the student AIA chapter at the college.

REPRESENTATIVE FOR A C S C P PROGRAM WILL HOLD CAMPUS CONSULTATION

Brice Fulguhm, a representative of Equity Educators Insurance which provides insurance opportunities for members of the Association of California State College Professors, will be on campus from 2 to 5 p.m. today (Tuesday, April 6) to consult with those interested in learning more about his company's plans. Those interested can contact Fulguhm by going to Adm-125 or telephoning 546-2091.

COMING EVENTS -- COMING EVENTS -- COMING EVENTS

Grange Youth Conference -- Sunday through Tuesday, April 4-6, all day campus. Annual conference for young people from throughout California; sponsored by the California State Grange and hosted by the School of Agriculture and Natural Resources. By invitation.

Collegiate Confrontation -- Monday through Thursday, 7:30 p.m., Julian A. McPhee College Union. Easter Week lecture series on the Christian faith by Mark Hanna; jointly sponsored by Intervarsity Christian Fellowship, Campus Crusade for Christ, and the Navigators, all Cal Poly student groups, and the Faculty Christian Fellowship. Students, faculty, and staff invited.

Cal Poly Women's Club Sewing Section Meeting -- Tuesday, April 6, 2 p.m., 1706 Conejo Dr., San Luis Obispo. Regular meeting of the section in the home of Mrs. Harold P. Davidson. Members invited.

Cal Poly Women's Club Newcomers Section Meeting -- Tuesday, April 6, 8 p.m., Route 2, Foothill Blvd., San Luis Obispo. Panel discussion on sabbatical leaves during meeting in the home of Mrs. William Alexander. Members invited.

Varsity Baseball -- Wednesday, April 7, 2:30 p.m., Baseball Diamond near Poly Grove. Cal Poly vs. San Diego State College. Public invited.

Project 9 -- Wednesday, April 7, 7:30 p.m., Julian A. McPhee College Union Room 208. Discussion program titled "Here and Now" with San Luis Obispo City Councilman Donald Q. Miller as the speaker; sponsored by the Speakers Forum Committee of the Associated Students, Inc. Public invited.

International Agriculture Conference -- Thursday, April 8, all day, Julian A. McPhee College Union. Conference featuring speakers on international agriculture; sponsored by Cal Poly and the student council of the college School of Agriculture and Nature Resources. Public invited.

Architecture Forum -- Thursday, April 8, 8 p.m., Julian A. McPhee College Union Room 203. Discussion of the design for the new College Union by Architect Joseph Esherick, who designed the building; sponsored by the campus student chapter of the American Institute of Architects. Public invited.

College Hour Concert -- Thursday, April 8, 11 a.m., Cal Poly Theater. Concert by the Cal Poly Men's Glee Club, Collegians dance and stage band, and Women's Sextet in a preview of the annual Home Concert; sponsored by the Music Department. Public invited.

Collegiate Confrontation Rally -- Thursday, April 8, 11 a.m., Julian A. McPhee College Union Plaza. Outdoor rally presented as part of the Easter Week lecture series on the Christian Faith with talk by Mark Hanna; sponsored by Intervarsity Christian Fellowship, Campus Crusade for Christ, and the Navigators, all Cal Poly groups, and the Faculty Christian Fellowship. Students, faculty, and staff invited.

Computer Program -- Thursday, April 8, 11 a.m., Computer Science Building Room 201. Talk on "Job Control Cards and Use of Facilities at the California State College Regional Data Centers" by Francis Gunter; sponsored by the Computer Center. Faculty, staff, and students invited.

COMING EVENTS . . . (Continued from Page 5)

Cal Poly Staff Club Luncheon Meeting -- Thursday, April 8, 12 noon, Staff Dining Room. Program presented by Warren T. Smith, chief of party for the Cal Poly/AID project in Thailand. Faculty and staff invited.

Academic Holiday -- Friday, April 9, beginning at 12 noon, through 8 a.m., Monday, April 12. Good Friday academic holiday for Cal Poly students and academic employees.

Varsity Baseball -- Friday, April 9, 2:30 p.m., Baseball Diamond near Poly Grove. Cal Poly vs. Chapman College. Public invited.

Varsity Track -- Saturday, April 10, 11 a.m., new Track Field near Men's Gymnasium. Cal Poly vs. University of California at Riverside, California State College at Los Angeles, and California State Polytechnic College at Pomona. Public invited.

Varsity Baseball -- Saturday, April 10, 12 noon, Baseball Diamond near Poly Grove. Cal Poly vs. Chapman College, doubleheader. Public invited.

Cal Poly Women's Club Walking Section Meeting -- Tuesday, April 13, 9 a.m., College Square Bank of America Parking Lot, Foothill Blvd., San Luis Obispo. Meeting of the section for a walk in the Cabrillo Heights and Los Osos areas. Members invited.

Driver Training -- Tuesday and Wednesday, April 13-14, 3 to 6 p.m., Engineering Auditorium. Training sessions for those who expect to operate state-owned vehicles; attendance at one of the two sessions required. Faculty, staff, and students invited.

Cal Poly Women's Club General Membership Meeting -- Tuesday, April 13, 8 p.m., Staff Dining Room. Program on local ecological considerations and election of officers for 1971-72. Members invited.

Water Control Seminar -- Wednesday and Thursday, April 14-15, 1 to 4 p.m., Men's Physical Education Building Room 122. Seminar on chemical control of industrial water for representatives of industries and governmental agencies in Central Coast Area; hosted by the Plant Operations Department. By registration in advance.

Automation '71 -- Thursday through Saturday, April 15-17, all day, graphic Arts Building. Seminar on the impact of automated systems on the printing and publishing industries; sponsored by the International Association of Printing House Craftsmen and the Cal Poly Graphic Communications Department. By registration in advance.

Pottery Show -- Thursday, April 15, through May 2, all day, Julian A. McPhee College Union. Professional and amateur pottery show with entries from throughout the Western United States; sponsored by the student Pottery Club. Public invited.

Cal Poly Staff Club Luncheon Meeting -- Thursday, April 15, 12 noon, Staff Dining Room. Program of poetry readings by Ahmos Bolton. Faculty and staff invited.

Cal Poly Women's Club Foreign Students Section Meeting -- Thursday, April 15, 8 p.m., 527 Patricia Dr., San Luis Obispo. Meeting with wives of foreign students for a program of travel slides by section members and students' wives in the home of Mrs. Arthur Duarte. Members invited.

(Continued on Page 7)

JOB START MEETINGS HELD FOR RESIDENCE HALL, DINING HALL PROJECTS

Two job start meetings were held last week preliminary to the actual start of construction on \$4.2 million in non-state-funded campus projects, according to E. Douglas Gerard (Executive Dean).

Montgomery Ross Fisher, Inc. of Los Angeles is the low bidder on the \$3,155,000 Phase III Residence Hall to be constructed north of Yosemite Hall. The structure, made possible with a federal loan subsidy, will provide residence spaces for 600 single students. Construction is expected to start within two weeks. Somewhat similar in appearance to Yosemite Hall, the project was designed by the same architectural firm, Corwin Booth and Associates of San Francisco.

Due to commence at the same time, is construction of a new dining hall complex to be located at the site of the former Ornamental Horticulture Unit at Grand Ave. and Mountain Dr. H. A. Ekelin and Associates of Salinas submitted a successful bid of \$1,084,000. The project architects are Keeble and Rhoda of Monterey.

With completion of the Julian A. McPhee College Union, also built with non-state funds, the two projects to provide student facilities will be the major on-campus construction projects. A 30-acre housing project to develop married student, faculty and staff housing on state property west of Highway 1 is still pending approvals and financing. It is expected to result in 600 units to be constructed at non-state expense, and available for occupancy by the Fall of 1972.

Actual construction of college facilities to be financed through state funds under the capital outlay program have been deferred indefinitely by the freeze on that program. The projects include an engineering classroom building, architectural classroom building, new library, two additional classroom buildings, additions and remodeling for several existing structures, road and utilities development, and construction of a women's gymnasium.

COMING EVENTS . . . (Continued from Page 6)

Chemical Society Lecture -- Thursday, April 15, 8 p.m., Science Building Room E-27. Lecture titled "Measurement of Ambient Levels of Pesticides" by American Chemical Society visiting lecturer J. E. Barney; sponsored by the Chemistry Department and student chapter of the American Chemical Society. Public invited.

Varsity Baseball -- Friday, April 16, 2:30 p.m., Baseball Diamond near Poly Grove. Cal Poly vs. California State College at Fullerton. Public invited.

Transcendental Meditation -- Friday, April 16, 7:30 p.m., Julian A. McPhee College Union Room 220. Lecture on transcendental meditation by Walter Koch; sponsored by the Students International Meditation Society organization of Cal Poly. Public invited.

Home Concert -- Friday, April 16, 8 p.m., Men's Gymnasium. Annual Home Concert featuring the Cal Poly Men's and Women's Glee Clubs and Collegians stage and dance band; sponsored by the Cal Poly Music Department and Associated Students, Inc. General admission tickets - students, 75 cents; all others, \$1.25.

Varsity Baseball -- Saturday, April 17, 12 noon, Baseball Diamond located near Poly Grove. Cal Poly vs. California State College at Fullerton, doubleheader. Public invited.

THEME FOR 1971 POLY ROYAL CHOSEN BY STUDENT BOARD

"The idea is a force let loose not thereafter to be recalled" is the phrase which has been chosen to represent the concept of Poly Royal for 1971. The student Poly Royal Board is using the phrase as the theme for the Poly Royal open house to be held on campus on Friday and Saturday, April 23-24. The traditional motto of Poly Royal remains -- "A Country Fair on a College Campus."

Dave Wright of Fortuna, general superintendent of Poly Royal, says the board feels the theme phrase is illustrative of the hundreds of exhibits which impart "ideas" of student in the instructional programs at Cal Poly. The 1971 open house event will include the popular rodeos, horse shows, dances, student carnival, and special events which have attracted more than 60,000 spectators to the campus in recent years.

The theme is illustrated with an egg hatching butterflies on posters, bumper strips, and place mats being distributed and sold by members of the Poly Royal Board to support their open house activity.

CONFERENCE PARTICIPANTS WILL JOIN STAFF CLUB FOR LUNCHEON MEETING

Participants in the International Agriculture Conference, which will take place on campus all day Thursday (April 8), will join faculty and staff in attending the Cal Poly Staff Club's luncheon meeting at 12 noon, that day. Speaker for the meeting will be Warren T. Smith, formerly dean of agriculture at Cal Poly and now chief of party for the Cal Poly/AID team at Bangpra School in Thailand. About 50 conference participants are expected to attend the luncheon program.

OPEN ENROLLMENT PERIOD FOR MEYER-GEDDES HEALTH PLAN WILL END APRIL 10

Faculty and staff members who are currently eligible for, or are participating in, the Meyers-Geddes Health Plan were reminded this week by the Personnel Office that the open enrollment period will close April 10. Employees who have made plans to change the kind of enrollment they are now in or who wish information should contact the Personnel Office, Adm-110, 546-2236, as soon as possible.

TALK ON REGIONAL DATA CENTERS SCHEDULED FOR THURSDAY MORNING

Francis Gunter (Computer Center) will discuss job control cards and use of facilities of the California State Colleges Regional Data Centers during a talk to be given on Thursday (April 8) at 11 a.m. in Comp/Sci-201. Subjects to be covered in the presentation, according to Gunter, will be helpful to persons who already have some programming knowledge and would like to gain experience using the CDC 3300 computer. Members of the college faculty, staff, and student body are invited to hear his remarks.

WORK SCHEDULES FOR GOOD FRIDAY CLARIFIED

Friday (April 9) is Good Friday and is an academic holiday at Cal Poly effective at 12 noon. Staff employees and academic employees on a 10- or 12-month basis who are scheduled to work that day will be allowed time off from 12 noon to 3 p.m. Employees who are on vacation, sick leave, compensating time off, or absent without pay for the entire day, or the afternoon on Friday, must be charged for the full period of absence.

VARSITY TRACK, BASEBALL TEAMS SLATE HOME EVENTS THIS WEEK

The final home meet of 1971 for Coach Steve Simmons' varsity track and field team and quartet of important baseball games matching the Mustang diamondmen with two of the nation's finest teams are at the top of the calendar for campus sports enthusiasts this week.

First to see action will be Coach Augie Garrido's baseball varsity which used a 2-1 series victory over defending national College Division champion San Fernando Valley State College last weekend to boost its won-lost mark for the season to 23-7. The Mustang diamondmen will host San Diego State College in a single contest scheduled for tomorrow (Wednesday, April 7) afternoon at 2:30 and Chapman College in a three-game series on Friday and Saturday (April 9-10), at 2:30 and 12 p.m. respectively, on the baseball field near Poly Grove.

University of California at Riverside, California State College at Los Angeles, and California State Polytechnic College at Pomona will provide the opposition for the Cal Poly track team on Saturday morning. The Mustang cindermen have been slow in regaining the form which has brought them three consecutive national college division crowns, but showed signs of doing so when they finished second in a three-way meet last week. Starting time for this Saturday's meet will be 11 a.m. on the new track field near the Men's Gymnasium.

Cal Poly's varsity golf team will see action in the Western Intercollegiate Golf Tournament at Santa Cruz this weekend in the only other entry on the campus sports calendar.

E C P D COMMITTEES COMPLETE CAMPUS VISITS

Two committees representing the Engineers Council for Professional Development have completed two-day visits during which they studied two engineering degree programs and four engineering technology degree options for possible accreditation by the council. The visit began last Thursday (April 1) morning and continued through Friday (April 2) afternoon, according to Archie Higdon (Dean of Engineering and Technology).

Chairman of the three-man committee which surveyed the Bachelor of Science Degree programs of the Environmental Engineering Department and the Metallurgical Engineering Department was Gene M. Nordby, vice president for administration and finance at University of Oklahoma. Other members of that group were Joseph Thigpen, who is chairman of the Department of Mechanical Engineering at Louisiana Polytechnic Institute, and George E. Dieter, dean of engineering at Drexel Institute of Technology in Philadelphia.

Richard Ungrodt, who is vice president for academic affairs at Milwaukee School of Engineering, served as chairman of the five-man ECPD committee that studied the air conditioning and refrigeration, electronic, manufacturing processes, and mechanical options of the Engineering Technology Department.

Other members of that committee were Henry Neely, president of Kansas Technical Institute; W. J. Warren of the Shell Development Company, Emeryville, Calif.; Walter Thomas, head of the Department of Manufacturing Technology at Purdue University; and W. N. King, chairman of the Mechanical Engineering Department at Oregon Technical Institute.

E C P D COMMITTEES . . . (Continued from Page 9)

The Engineering Council for Professional Development is the principal organization for accreditation of engineering degree programs in the United States. Cal Poly's Aeronautical Engineering, Electrical Engineering, Electronics Engineering, Industrial Engineering, and Mechanical Engineering Departments all presently have ECPD accreditation.

Dean Giddon said that reports on the ECPD committees' visits last week are expected later this year.

Information copy intended for the next issue of Cal Poly Report must be received prior to 12 noon Friday, April 9, in the Office of Information Services, Administration-210.

encouraging notes

April 6, 1971

The revision of CAM that gives the Research Committee funds for the support of faculty research or scholarly activity is published below. In Encouraging Notes of March 16, 1971 there was a reference to this subject.

543.3 Procedure on utilization

At the end of each fiscal year, the Director of Business Affairs and the Executive Director of the Cal Poly Foundation shall report to the Research Committee:

- A. Income from indirect costs from grants, contracts, or projects, including any balances of unused indirect costs remaining in the trust accounts from the previous year.
- B. Funds required for the administration of the above accounts by both the College and the Foundation.
- C. Postaudit expenditures or reserves.
- D. Uncommitted funds available to the College.

543.4 Policy on Utilization of Uncommitted Indirect Costs

The funds provided in part D of section 543.3 will be available for distribution and use as follows, subject to approval by the Academic Vice President:

75% of the uncommitted funds shall revert to the Dean of the School responsible for getting the grant or contract. The Dean may use this money for:

- a) equipment and supplies
- b) travel
- c) student assistance
- d) research or project development

10% of the remaining 25%, plus 10% of each National Science Foundation Institutional Grant shall be available to the Associate Dean of Graduate Studies and Research for his use in promoting and facilitating research and development.



The balance of the National Science Foundation Institutional Grant and the indirect costs shall be available to the Research Committee which will solicit and recommend proposals from the faculty for:

- a) research, development, or other scholarly or creative activities
- b) equipment and supplies
- c) travel to professional meetings
- d) publication costs
- e) other projects consonant with the educational functions and policies of the College

The Chairman of the National Science Board (of the National Science Foundation) emphasized societal problems in testifying before the House Subcommittee on Science, Research, and Development. The following is quoted from an NSF news release:

--to find ways to combine the skills and insights in science and the humanities, in industry, Government, universities, and society as a whole, in a general attack on societal problems;

--to shorten the time span between production of research results and their use in applications that benefit man;

--to assess and control adverse technological effects as well as to use technology for man's benefit;

--to bridge the gap between production of scientific knowledge and its use in decision making and operations;

--to develop the national capacity to deal with social, environmental, and urban problems at levels from local to international; and

--finally, to maintain and improve our outstanding competency in a broad range of research areas which undergird all these activities.

These needs in turn generate other needs, Dr. Carter indicates. Among them are the need to educate scientifically competent students to be top administrators and to create new research and teaching capabilities--both within and outside educational institutions--to help attack problems of society.

Dr. Carter also emphasizes the importance of maintaining a strong base of fundamental research. Intellectual creativity, basic research, education, and universities, he says, are national resources that need adequate, sustained, and diverse support. He adds that the Nation's fundamental scientific and technological base "is the key to our national security, economic growth and prosperity, to our health as individuals and as a Nation, to the quality of our life, and to our ability to cope with the future opportunities, problems and challenges...."

I remember reading the same statement in the Collected Works of Benjamin Franklin.

Dr. Bisplinghoff, deputy director of the National Science Foundation, in testifying before the same Subcommittee, described a new program called Research Applied to National Needs (RANN). This program will have three major objectives:

1. Advanced Technology Applications. Projects will seek to develop and apply advanced technology relating to energy resources, earthquake engineering, fire research, enzyme technology, urban engineering problems, particle accelerator applications, and technology for rapid excavation and tunneling.
2. Environmental Systems and Resources. Investigations in this area include subjects such as: weather modification, comprehensive ecosystem analysis applications, regional environmental aspects of trace contaminants.
3. Social Systems and Human Resources. Target projects include: social indicators; municipal systems, operations, and service; criminology, social data and community structure; and methods for evaluating social problems.

Mr. Irwin Willson (Department of Education) has just received a grant from the State Department of Education for a Cooperative Teacher Education Project in Conservation Education. Cal Poly will cooperate with the Santa Barbara and San Luis Obispo Outdoor Education Camps.

The U.S. Office of Education announces a deadline of April 15, 1971 for planning - operational grants in the Handicapped Children's Early Education Program. A copy of the guidelines and application form is available in this office.

According to a report from the National Register of U.S. scientists for 1970, the median salary of a Master's was \$13,500, a Bachelor's was \$13,900, and less than a Bachelor's was \$14,000.

The median salary for a mathematician with a Ph.D. was \$14,700, and for a Bachelor's was \$17,400.

If all this isn't someone's arithmetical error, perhaps there is a message in it. See NSF's Reviews of Data on Science Resources, No. 19, December 1970.